IN THE SPECIFICATION

At page 2, please remove lines 5-13.

Please amend page 2, lines 15-22 to read as follows:

--In ~~this case~~ prior systems, the input signal of the polyphase-filter is multiplexed into N different allpass filters. Therefore, N allpass filters have to be realized with N being the decimation factor of the polyphase filter. This design leads to high realization costs for the polyphase-filter. Also, only a restricted amount of IF-frequencies can be realized with this structure, since the IF-frequencies can only be chosen to $F_{IF} = m \cdot F + L \cdot F/N$ with F being the sampling rate of the filter input signal, L being a natural constant between $\frac{-N-1}{2} \ldots \frac{N-1}{2}$ and m being a natural constant.--

At page 2, before line 15, please insert the following:

--The design of polyphase filters with allpass branch filters is well known in the art.--

At page 2, please remove lines 24-31.

Please amend page 2, lines 33 – page 3, line 4 to read as follows:

--However, ~~all of the above~~ prior IQ-generators are quite restricted in respect to the used Intermediate Frequency (IF) and ~~therewith~~ in respect to possible sampling frequencies of the A/D converter converting the IF signal into a signal suitable for ~~a following~~ digital baseband processing since the output frequency of the generation is fixed according to certain standards

and the input frequency of the IQ generation (i.e., the IF frequency) strongly depends on the used IQ-filter and the needed output frequency.--

At page 2, before line 33, please insert the following:

--The disadvantage of using switchable allpass filters is that no digital channel suppression/noise shaping can be realized. Furthermore, the IF frequency can only be chosen to be $F_{IF} = m \cdot F \pm (F/4)$ with F being the IQ filter input sampling rate and m being a natural constant.--

At page 3, please remove lines 12-15.

At page 3, please remove lines 27-29.

IN THE SPECIFCATION

At page 2, before line 1, please remove the word "Description."

At page 2, before line 1, please insert the following:

--FIELD OF THE INVENTION--

At page 2, just before line 5, please insert the following:

--BACKGROUND OF THE INVENTION--

At page 3, just before line 6, please insert the following:

--BRIEF SUMMARY OF THE INVENTION--

At page 4, just before line 11, please insert the following:

--BRIEF DESCRIPTION OF THE DRAWINGS--

At page 4, just before line 32, please insert the following:

--DETAILED DESCRIPTION OF THE INVENTION--